



NGST Update

Eric P. Smith

NGST Deputy Project Scientist



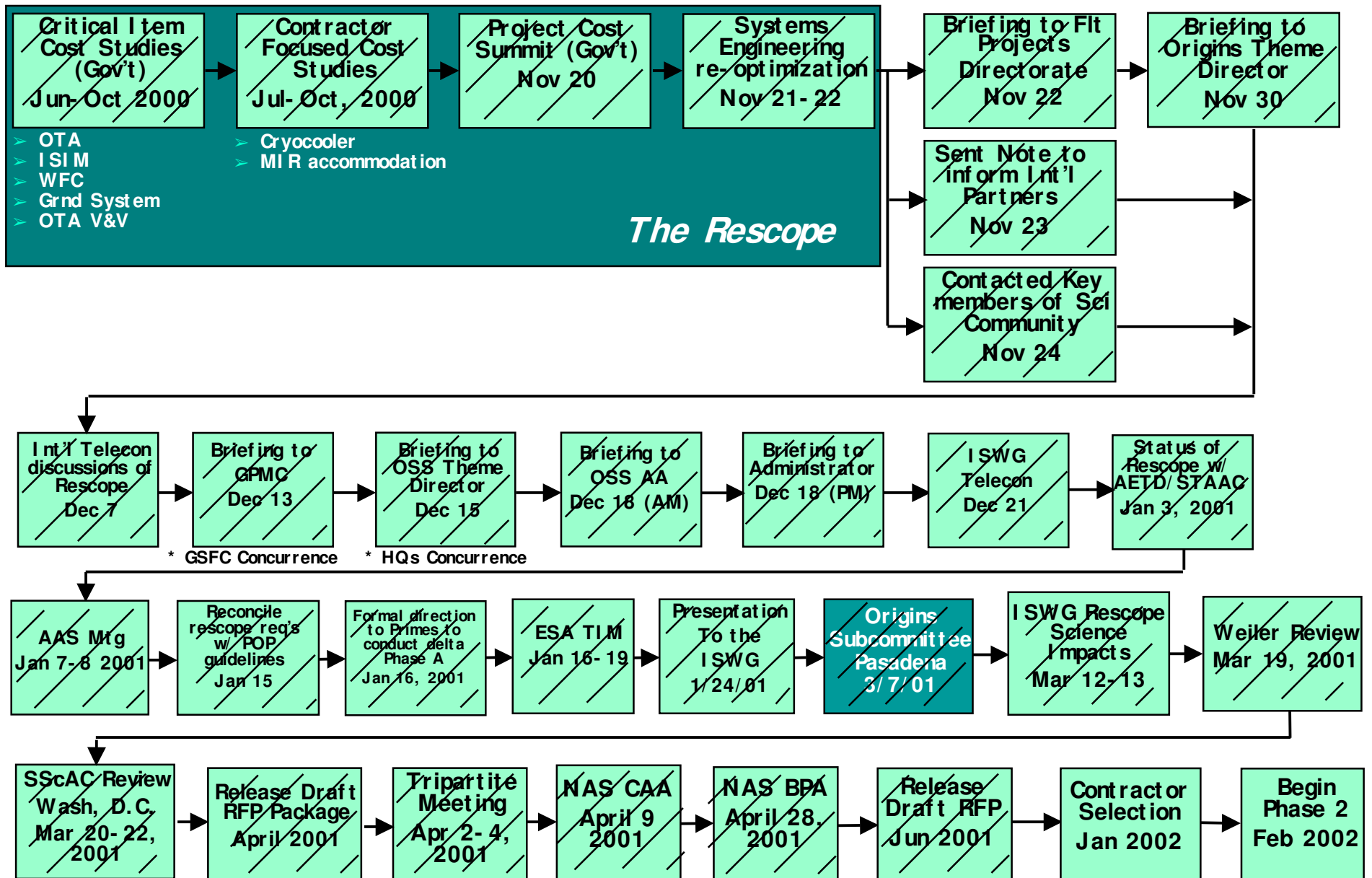
NGST '01

- Summary of events for first half of 2001
- Prime RFP
- Instrument AO
 - Digression on International participation in NGST
- Project reorganization
- Upcoming events
- Goals for next year

“Recent” Events

- Passed all HQ mandated wickets for science review of rescope (ISWG 03/12-13/01, NAS/NRC CAA 04/09/01, NAS/NRC BPA 04/28/01, OS 03/01)
- Tripartite negotiations, April 2-5, Frascati, produced a plan for International participation
- Two MISC telecons, produced draft science requirements
- ISWG interested in moving object tracking
- Town Hall meeting, June AAS, not controversial
- AO strategy agreed by HQ, including MIR at Weiler level
 - Assign Mid IR instrument to a NASA Center, with a Science Team and a Team Lead for it

Rescope Process Flow

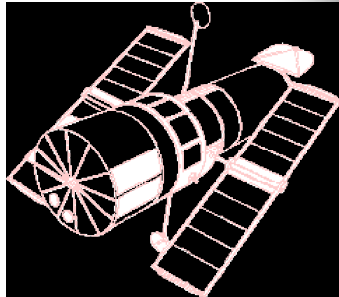


NGST

A NASA
Origins
Mission

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- Key part of the Origins Program

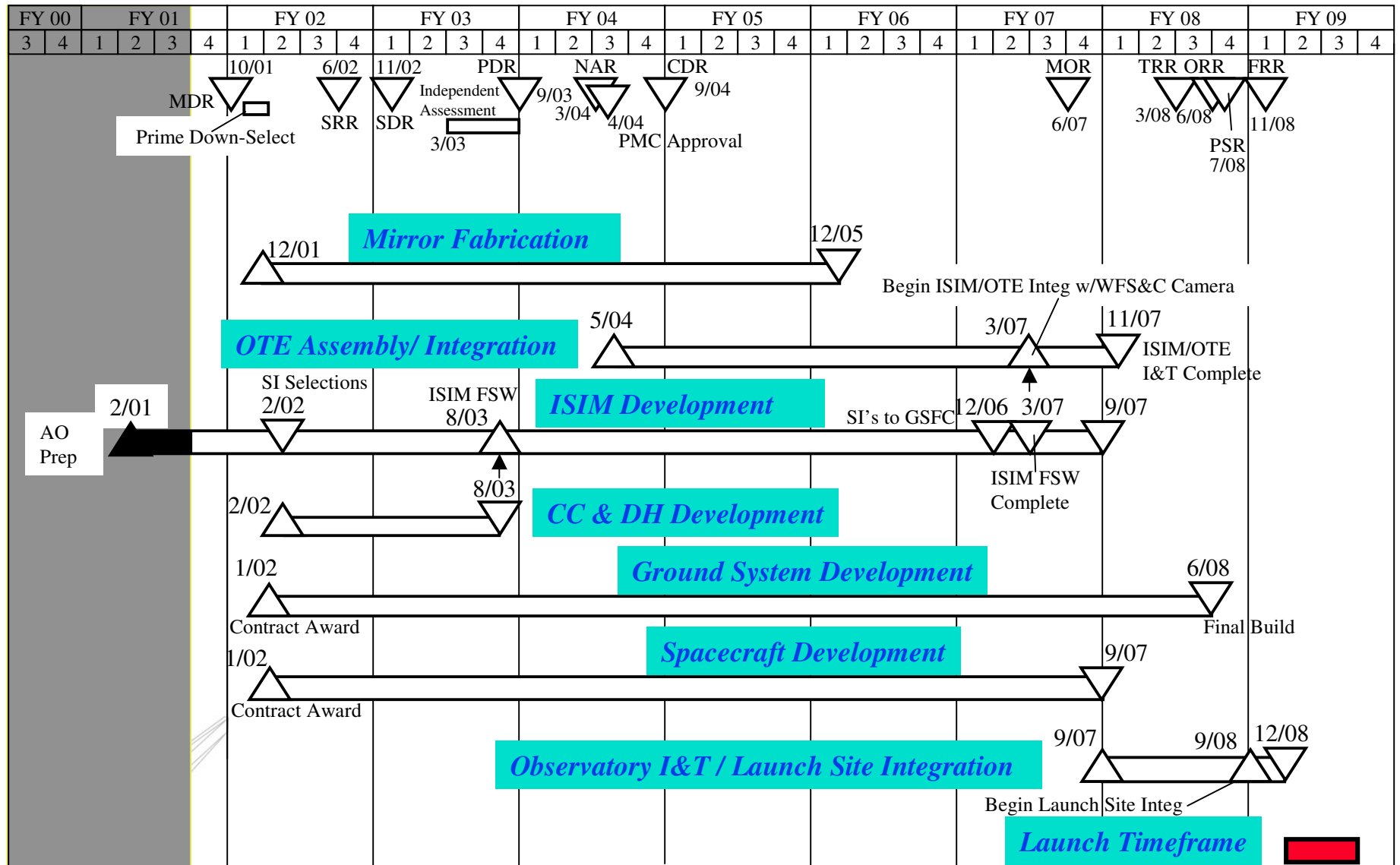


NGST Prime RFP



- Prime Contractors conducted excellent review of their Phase 1 efforts at STScI June 13-14.
- Draft RFP posted 06/22/01
- Comments received 07/08/01
- SEB and NGST Project Office working through comments and questions
- Final RFP issued by August 1
- NGST Project enters “blackout” period - no communication with prospective bidders during this period
 - Concentrate on preparations for Mission Definition Review (MDR)
 - Officially moves project from Phase A to Phase B
 - October 3-4 @ STScI
 - Work on Project risk database, lessons learned database

NGST TOP LEVEL OBSERVATORY SCHEDULE

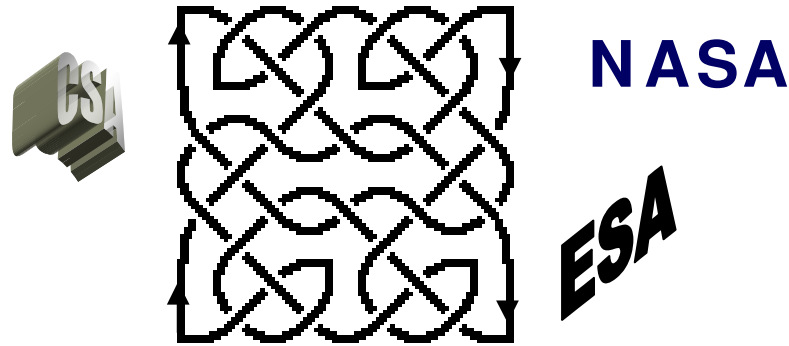


STATUS AS OF: 07/02/01

Instrument AO

- All US investigations sought through this AO
 - NIRCам PI, Facility Scientist, Telescope Scientist, IDS, MIRI Science Lead, MIRI Science Team
- Draft version in HQ signature cycle, anticipate OK to release soon
- Supporting library documents nearly complete, awaiting input from CSA

NGST and International Participation



**Apparent Process Flow for
NGST Instrumentation**

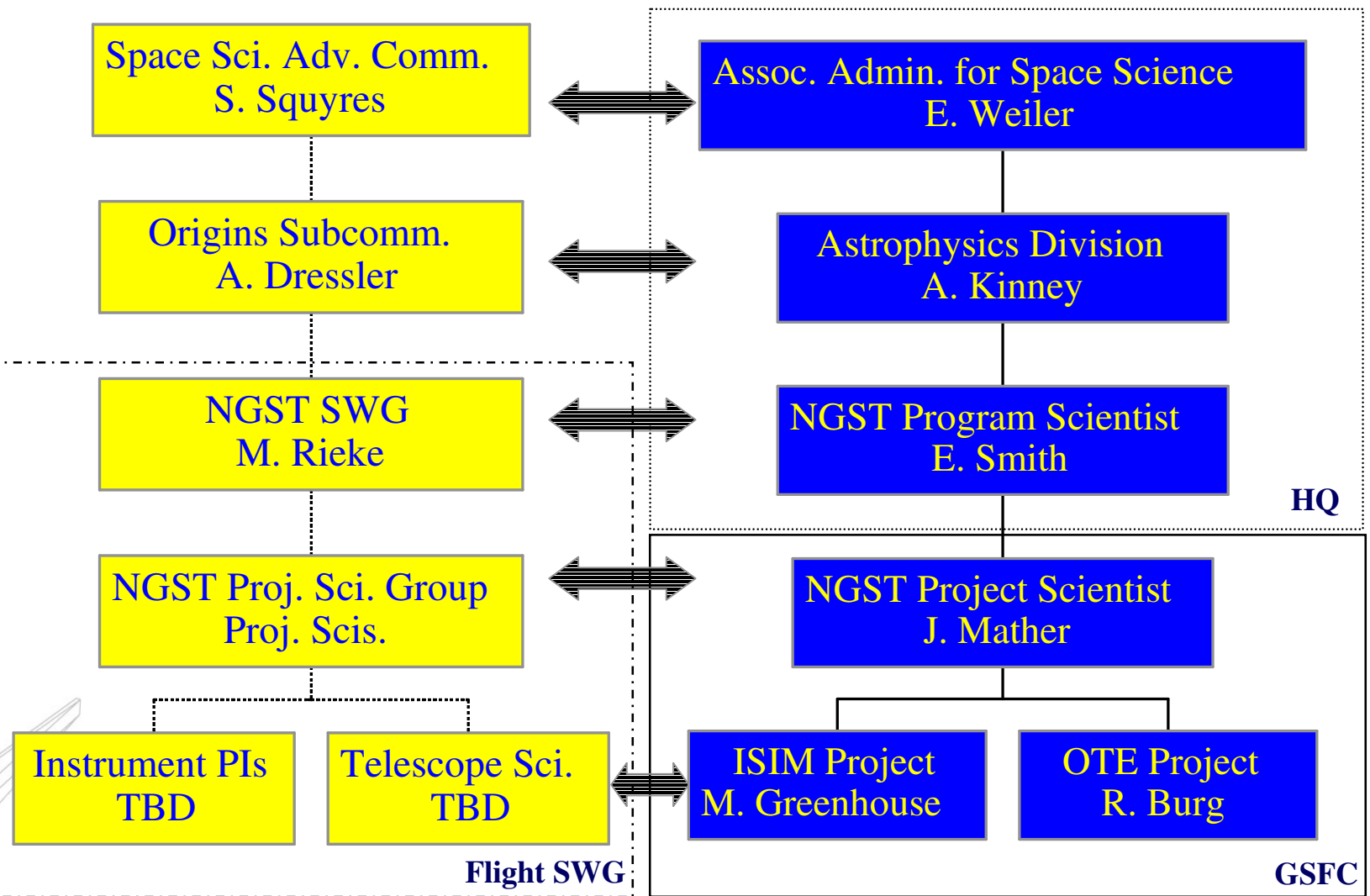
–Why do we have the plan we do?

1. Cost
2. International Support
3. Tradition
4. They owe us
5. Mid IR activities are worldwide

Science Oversight for NGST

Community

NASA



Upcoming Events

- Instrument AO draft release
- MISC meeting, Edinburgh, July 16-17
 - Confirm draft requirements produced on telecon
 - Complete draft instrument concept for review by ISWG and HQ
 - Confirm initial discussions about partnership plan



Upcoming Events

- August 21-22 ISWG meeting at NASA HQ
 - Update on project progress and status
 - Consider NIRSPEC requirements, $R=100$ mode, wavelength range, and contrast specification
 - Consider MISC recommended requirements
 - Wrap up Moving Object Tracking issue
 - Send comments to NASA on draft AO
 - Final discussions of rescope and science impacts, validation of the DRM as representative of expected science program

Origins 02

- Meeting at Jackson Lake Lodge, Grand Tetons May 26-29, 2002
- Purpose: First generation Origins missions (NGST, SIM) have undergone substantial change, chance to reconnect with community, NGST SWG onboard
- Science Organizing Committee

Chas Beichman
 Omer Blaes
 Bob Brown
 Adam Burrows
 Alan Dressler
 George Helou
 Jonathan Lunine
 John Mather
 Nino Panagia
 Mike Shull
 Steve Unwin
 Ann Wehrle
 Mike Werner



Goals for Next Year (2002)

- **Programmatic**
 - Phase 2 Contract Award
 - ST Scl under separate NGST contract
 - International agreements in place and MOUs drafted
- **Technology**
 - Detector technology downselect
 - AMSD cryotesting underway
 - Wavefront algorithms demonstrated with PRC and both high/low authority cryo mirrors
- **Science**
 - Formation of flight SWG
 - Origins 02 Conference